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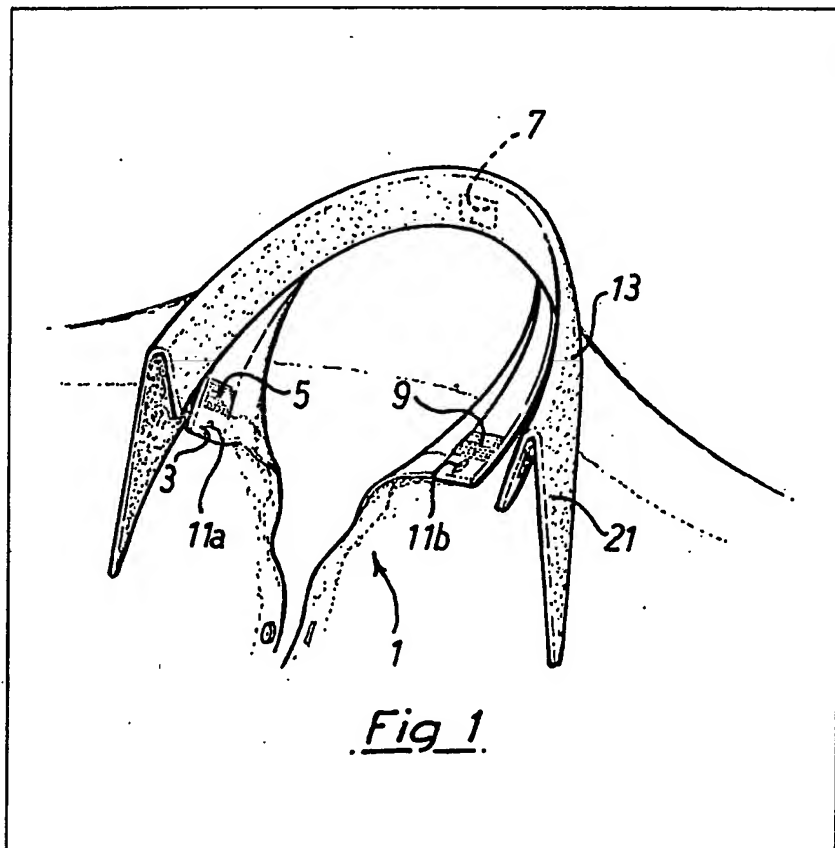
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(54) Improvement in or relating to  
shirts

(57) The shirt (1) has a detached  
collar (13), and the collar is releasably  
secured to the shirt by a fastener in  
the form, e.g. of three sets of strips (5,  
7, 9, 15, 17 and 19) of touch and  
close for toner material having

filamentary hooks and loops or press  
studs, at at least three locations with  
the neckband of the collar being  
secured to the inside of the neckband  
(3) of the shirt while the latter is in the  
open condition. The collar is of a  
length such as not to obstruct any  
button and button-hole that may be  
provided to enable the shirt neckband  
to be fastened up.



The drawing originally filed  
was informal and the print here  
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later filed formal copy.

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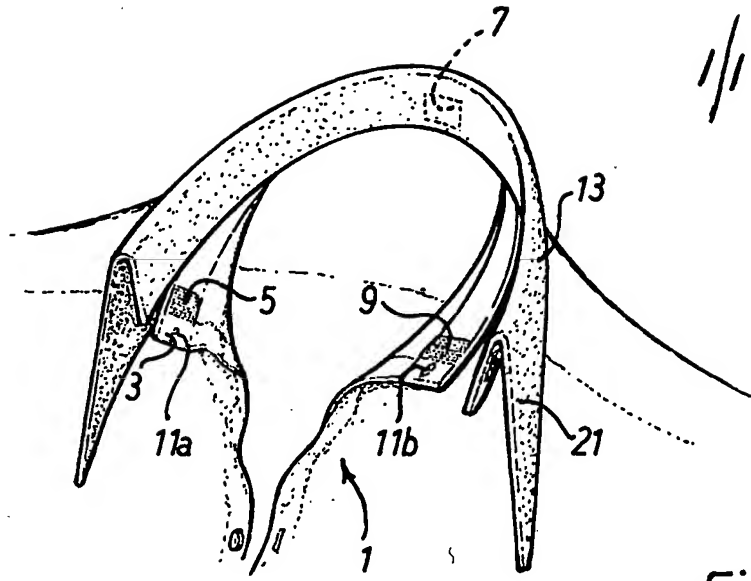


Fig 1.

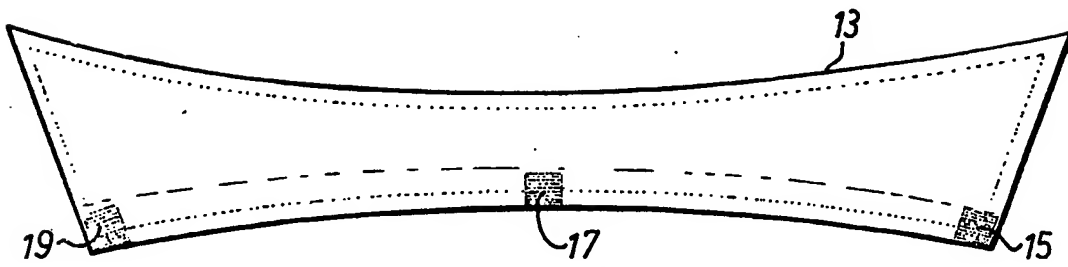


Fig 2.

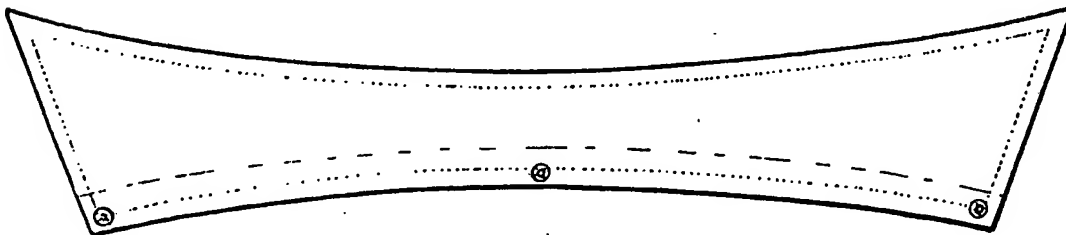


Fig 3.

## SPECIFICATION

## Improvement in or relating to shirts

The present invention is an improvement in or relating to shirts.

- 5 Shirts are known which are intended for use with detached collars, but these shirts entail the use of collar studs to enable the detached collar to be fastened to the shirt i.e. they require fastening means which are separate from both the shirt and the collar.

10 The present invention is based on the idea of providing fastening means to enable a shirt and a detached collar to be fastened to one another, providing components which are an integral part respectively of the shirt and the collar.

- 15 It has been discovered that it is quite sufficient to provide the shirt and the detached collar to be used therewith with fasteners to lie disposed within the neckband of the shirt and positioned one to lie at the rear of the neck of the user and one adjacent each end or flap of the neckband of the shirt. Thus, in this arrangement, the neckband of the shirt would provide a fastening component on the interior aspect thereof at the specified
- 20 locations, and the band of the collar would contain complementary fastening components on the outer aspect thereof and positioned at the specified locations, and, to affix the collar to the shirt the collar band is placed inside the neckband of the shirt to permit the component parts of the respective fasteners to be engaged. This is in contradistinction to the conventional arrangement using collar studs in which the band of the collar goes round the outside of the neckband of the
- 30 shirt. It has the advantage *inter alia* that, even from the front of the shirt and assuming no tie is worn, it is not evident that a detached collar is being used, and the detached collar, when fixed, gives the appearance of an ordinary attached collar. Yet being a detached collar, it can be removed and replaced by a fresh collar.

The fasteners employed may be press studs or a material such as the one known as Velcro (Registered Trade Mark) i.e. one in which like component parts are simply pressed together to fasten the parts together. In this latter case, the component parts of a fastener each consist of a respective component strip of the material with one strip being fastened to the neckband of the

45 shirt and one strip being fastened to the band of the collar.

It will be understood that more than three fasteners may be employed and that with a material such as mentioned above, the fastening strips could be taken round the entirety of the neckband of the shirt and the band of the collar. It will also be understood that the fasteners may be arranged so that the band of the collar goes round the outside of the neckband of the shirt.

- 60 The present invention will now be further described, by way of Example only, with reference to the accompanying drawings in which Figs. 1 and 2 illustrate a first embodiment of the invention;

65 Fig. 1 showing a front view of the shirt thereof in open condition with the detached collar, and Fig. 2 showing a rear view of the detached collar; and in which,

Fig. 3 shows a rear view of the collar employed in a second embodiment of the invention.

70 Referring now to Figs. 1 and 2, the embodiment comprises a shirt generally indicated at 1 formed, in a conventional manner, with an integral neckband 3. The neckband on the inner aspect thereof has stitched thereto three of the felt-surfaced strips 5, 7 and 9 of Velcro material. Two of the strips are located adjacent to the ends or flaps 11a, 11b of the neckband whilst the third strip 7 is located substantially midway between the strips 5 and 9 so as to lie at the rear of the neck of the wearer.

The detached collar 13, again formed in a conventional manner, also has three strips 15, 17 and 19 of Velcro material stitched thereto on the outer aspect of the band of the collar at locations corresponding to the locations of the strips 5, 7 and 9. In this instance, however, the strips are those of the Velcro material containing barbs which when in engagement with the felt-surfaced strips provide little resistance to separation of the strips by any forces acting normal to the surface thereof but considerable resistance to separation by forces acting in the plane of the strips.

The collar is fixed to the shirt by placing the band of the collar within the neckband of the shirt with the outer aspect of the band of the collar facing the inner aspect of the neckband of the shirt, and by then engaging the component strips of the Velcro material at the respective locations.

95 The neckband of the shirt may then be buttoned up in the normal manner and the flap 21 of the collar turned down over the neckband of the shirt. Even if the wearer is not wearing a tie, the collar when thus attached is indistinguishable from an attached collar i.e. a collar formed as an integral part of the shirt.

Referring to Fig. 3 the Velcro material may be replaced by press stud fastenings. Fig. 3 shows, in this instance, the studs of the fastenings attached to the collar; the socket parts of the fastenings being fixed to the inner aspect of the neckband of the shirt at the respective locations. It will be evident that, in the alternative, the studs could be fastened to the neckband of the shirt and the socket parts to the band of the collar.

110 It will be understood that the neckband of the shirt or the band of the collar could serve to constitute a faster component, e.g. in using fasteners comprising a hook component such that, when the component is fastened to one of the bands, the hook of the component can be hooked into the other of the bands. In the case where the hooks are sharp pointed, they would simply be pressed in the other of the bands i.e. that band would serve as the complementary component without modification, but otherwise, pockets could be formed in the other of the bands to receive the respective hooks therein.

## CLAIMS

1. A shirt with a detached collar, comprising means for releasably securing the neckband of the collar to the neckband of the shirt with the latter in the open condition, so that the two neckbands lie against one another along substantially their entire length, the collar being of a length and the securing means being such as not to obstruct any button and buttonhole that may be provided to permit the shirt neckband to be fastened up.

2. A shirt as claimed in claim 1, wherein said securing means secures the collar neckband to the shirt neckband at, at least, three locations, namely, at one such as to be at the back of the wearer's neck in use of the shirt, and one adjacent each end of the shirt neckband.

3. A shirt as claimed in claim 1 or 2, wherein the securing means is such that the collar is secured to the shirt with the neckband of the collar on the inside of the neckband of the shirt.

4. A shirt as claimed in claim 1, 2 or 3, wherein the securing means is one comprising a two component fastener with one of the components being secured on one of the neckband of the shirt and the neckband of the collar, and the other component on the other of the neckband of the shirt and the neckband of the collar.

5. A shirt as claimed in claim 4, wherein the two component fastener is in strip form with the strip of each component being formed releasably to fasten to the other strip.

6. A shirt as claimed in claim 5, wherein one two-component fastener is employed with the strip of each component passing substantially along the entire length of the respective neckband.

7. A shirt as claimed in claim 4 or 5 as dependent on claim 2, wherein at least three two-component fasteners are employed, one in respect of each of the three locations.

8. A shirt as claimed in claim 5 or in claim 6 or 7 as dependent on claim 5, wherein the or each fastener consists of Velcro material.

9. A shirt as claimed in claim 7 as dependent on

claim 4, wherein each fastener is a press stud.

10. A shirt as claimed in claim 8 or 9, wherein each fastener component is stitched to its respective neckband.

11. A shirt with detached collar substantially as hereinbefore described with reference to the accompanying drawing.

New claims or amendments to claims filed on 8th September 1980.

Superseded claims. Claims 1, 3 and 4 deleted and replaced by new claims 1—3 on attached sheet. Subsequent appendant claims renumbered and appendancies corrected.

1. A shirt with a detached collar, comprising means for releasably securing the neckband of the collar to the neckband of the shirt with the latter in the open condition, so that the two neckbands lie against one another along substantially their entire length, wherein the collar is of a length and the securing means is disposed so as not to obstruct any button and buttonhole that may be provided to permit the shirt neckband to be fastened up; the securing means also being disposed so that the collar is secured to the shirt with the neckband of the collar on the inside of the neckband of the shirt.

2. A shirt as claimed in claim 1, wherein said securing means secures the collar neckband to the shirt neckband at, at least, three locations, namely, at one such as to be at the back of the wearer's neck in use of the shirt, and one adjacent each end of the shirt neckband.

3. A shirt as claimed in claim 1 or 2, wherein the securing means is one comprising a two component fastener with one of the components being secured on one of the neckband of the shirt and the neckband of the collar, and the other component on the other of the neckband of the shirt and the neckband of the collar.